

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

What is claimed is:

1. **(Cancelled)** Please delete.
2. **(Currently Amended)** The driveline of claim ~~1~~ 7, wherein the ball ramp brake is disposed between drive gear motor and gearbox.
3. **(Currently Amended)** The driveline of claim ~~1~~ 7, wherein said gearbox comprises a high efficiency gearset.
4. **(Currently Amended)** The driveline of claim ~~1~~ 7, further comprising an enclosure enclosing said brake.
5. The driveline of claim 4, wherein a lubricant is disposed within said enclosure.
6. **(Currently Amended)** The driveline of claim ~~1~~ 7, further comprising a wheel hub engaged by a wheel drive gearbox and a drive shaft coupled to said gearbox at a first end of said drive shaft and coupled to said wheel drive gearbox at a second end of said drive shaft.
7. **(Currently Amended)** In a driveline for an agricultural irrigation system, said driveline comprising:
a drive gear motor;
a ball ramp brake ~~The driveline of claim 1~~, wherein said ball ramp brake comprises a motor drive shaft having a motor drive plate axially aligned therewith, a brake drive shaft having a brake drive plate axially aligned therewith, a first ball ramp plate axially disposed between said brake plate and said motor plate so as to be parallel therewith, a groove formed within at least one of said plates, ~~and~~

a ball disposed within said groove, a second ball ramp plate axially disposed between said brake plate and said motor plate so as to be parallel therewith and a biasing element disposed between said first and second ball ramp plates so as to urge said first and second ball ramp plates away from one another; and
a gearbox coupled to said ball ramp brake.

8. (Cancelled) Please delete.

9. (Currently Amended) The driveline of claim 8 7, wherein said first ball ramp plate is adjacent said brake drive plate and said second ball ramp plate is adjacent said motor drive plate.

10. (Original) The driveline of claim 9, wherein a groove is defined in at least one of said first ball ramp plate and brake drive plate and at least one of said second ball ramp plate and motor drive plate, wherein a ball is disposed in each of said grooves.

11. (Original) The driveline of claim 7, wherein said groove is defined by a first end and a second end and includes a groove surface tapered from said first end to said second end.

12. (Original) The driveline of claim 7, wherein said groove is defined by a first end, a second end and a mid-portion, and includes a groove surface tapered between said mid-portion and said first end.

13. (Original) The driveline of claim 11, wherein said taper is defined by a taper depth and said taper depth increases from said first end to said second end.

14. (Original) The driveline of claim 12, wherein said taper is defined by a taper depth and said taper depth increases from said first end to said mid-portion.

15. (Original) The driveline of claim 12, wherein said taper is defined by a taper depth and said taper depth decreases from said first end to said mid-portion.

16. **(Original)** The driveline of claim 12, wherein said taper is defined by a taper depth and said taper depth increases from said first end to said mid-portion and thereafter said taper depth decreases from said mid-portion to said second end.
17. **(Original)** The driveline of claim 9, wherein at least one of said opposing sets of plates includes a groove the surface of each opposing plate.
18. **(Original)** The driveline of claim 3, wherein said high efficiency gearset comprises an involute gear.
19. **(Original)** The driveline of claim 3, wherein said high efficiency gearset comprises a planetary gear.
20. **(Original)** The driveline of claim 3, wherein said high efficiency gearset comprises a right angle gear.
21. **(Original)** The driveline of claim 3, wherein said high efficiency gearset comprises a hypoid gear
22. **(Original)** The driveline of claim 3, wherein said high efficiency gearset comprises a planetary gear and a hypoid gear.
23. **(Original)** The driveline of claim 5, wherein said lubricant substantially fills said enclosure.
24. **(Original)** The driveline of claim 4, wherein said enclosure is sealed.
25. **(Original)** The driveline of claim 4, further comprising an enclosure around the gearbox.
26. **(Original)** The system of claim 4, wherein said enclosure encloses the gearbox and the ball ramp brake.
27. **(Currently Amended)** In driveline for an agricultural irrigation system, said driveline comprising:

a drive gear motor coupled to a drive plate;

~~a ball ramp brake;~~

a first gearbox coupled to ~~said ball ramp brake~~ a gearbox plate; and

a ball ramp brake coupled between said drive gear motor and said first gearbox, wherein said

ball ramp brake comprises first and second ball ramp plates disposed between said drive plate

and said gearbox plate, a groove formed within at least one of said plates with a ball disposed

within said groove and a biasing element disposed between said first and second ball ramp

plates ~~an enclosure enclosing said brake,~~

~~said enclosure containing a lubricant disposed within said enclosure.~~

28. (Currently Amended) The driveline of claim 27, further comprising

an enclosure enclosing said ball ramp brake,

said enclosure containing a lubricant disposed within said enclosure

~~a wheel drive gearbox;~~

~~a wheel hub engaged by the wheel drive; and~~

~~a drive shaft coupled to said first gearbox at a first end of said drive shaft and coupled to said~~

~~wheel drive gearbox at a second end of said drive shaft.~~

29. (Original) The driveline of claim 27 wherein the ball ramp brake is bi-directional.

30. (Original) The driveline of claim 27 wherein the first gearbox is a high efficiency gearbox.